

# FUTURE of RHEOLOGY

Seminar Series

**23**  
Feb

***Transient shear banding in viscoelastic shear startup flows:  
Implications from linearized dynamics and nonlinear simulations***

Shweta Sharma

IIT Kanpur

***Characterizing phase transitions of microfibrillated cellulose  
induced by anionic and cationic surfactants***

Shiqin He

Lehigh University

***Understanding the transient large amplitude oscillatory shear  
(LAOS) behavior of yield stress fluids (YSFs)***

Krutarth Kamani

UIUC

**30**  
March

***An exact numerical solution to coarse-grained polymer models  
with fluctuating internal friction and hydrodynamic interactions***

R. Kailasham

Carnegie Mellon University

***Distinguishing thixotropy, anti-thixotropy, and viscoelasticity  
using hysteresis***

Yilin Wang

UIUC

**27**  
April

***Capillary Flow of Wormlike Micellar Gels : Plugs and Shear-  
layers***

Ronak Gupta

University of British Columbia

**30**  
May

***Time-resolved structure-property relations in model soft gel  
networks under large amplitude oscillatory shear***

Gavin Donley

Georgetown University

***Are combs really pom-poms? Shear and elongational rheology  
of polystyrene pom-poms and combs***

Valerian Hirschberg Karlsruhe Institute for Technology

Date: Last Thursday of each month

Time: 1-2 pm EST

Zoom: [https://cmu.zoom.us/j/91824905835?](https://cmu.zoom.us/j/91824905835?pwd=bWRNdEZpYTU3SUEzUUlFKzFKRlV5UT09)  
[pwd=bWRNdEZpYTU3SUEzUUlFKzFKRlV5UT09](https://cmu.zoom.us/j/91824905835?pwd=bWRNdEZpYTU3SUEzUUlFKzFKRlV5UT09)

